Title (en)

METHOD AND DEVICE FOR CONNECTING PROFILE PARTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERBINDEN VON PROFILTEILEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR RELIER DES PIÈCES PROFILÉES

Publication

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Application

EP 16721769 A 20160503

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Abstract (en)

[origin: WO2016177715A1] The invention relates to a method for connecting plastic profile parts (2), wherein at least one profile part (2) and a heating area (34) of a heating element (36) are brought into contact with one another in a joining direction in order to make the at least one profile part (2) begin to melt in its welding region before it is joined together with the other profile part (2), wherein a delimiting element (7) that can be used for controlling the melted material as it flows and is deformed is provided, wherein the delimiting element (7) has at least one abutting element (21) and a moulding part (22), which are movable both in relation to one another and in relation to the profile part (2), wherein during melting of the at least one profile part (2) the abutting element (21) is moved together with the moulding part (22) out of a rest position in the direction of a working position in relation to the at least one profile part (2) and the heating element (36), wherein at least during the melting at least the moulding part (22) is held in contact with the heating area (34) of the heating element (36) and the abutting element (21) is held in contact with a profile surface (9). The invention is distinguished by the fact that, when there is a changeover from melting to compressing, the relatively movable abutting element (21) is moved together with the moulding part (22) in the direction of the working position in such a way that the delimiting element (7) projects beyond a free end edge (4) of the at least one profile part (2) so as to form a holding plane (37).

IPC 8 full level

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Citation (search report)

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